

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **04218077 A**

(43) Date of publication of application: **07.08.1992**

(51) Int. Cl **G03G 15/04**

B41J 2/525, G02B 27/00, G03G 15/04, G03G 15/22, H04N 1/23

(21) Application number: **02419316**

(22) Date of filing: **21.12.1990**

(30) Priority: **21.12.1989 US 89 454205**

(71) Applicant: **TEXAS INSTR INC <TI>**

(72) Inventor: **NELSON WILLIAM E
MITCHAM LARRY D**

(54) **PRINTING SYSTEM AND LIGHT ENERGY
CONTROL METHOD THEREOF**

as to be prevented from being emitted from the funnel
boot.

COPYRIGHT: (C)1992,JPO

(57) Abstract:

PURPOSE: To provide a clear printing action by eliminating unnecessary light forming noise other than controlled light beams for writing from the emitting port of the light beam for writing of an electrophotographic printer.

CONSTITUTION: A writing optical system consisting of a light source lamp 16, lenses for forming a beam 17 and 40, mirrors 60, 30 and 31, a funnel boot for forming the emitting port of the light beam for writing and the like is constituted so that a saw-tooth-like step 41 is formed on the inside wall of the funnel boot. Then, stray light other than that of the light beams for writing is reflected, scattered and attenuated by the step 41 so

